**Description of Research Project/Internship**

**Sponsor:** Princeton Environmental Institute  
**Position number:** B1YOU  
**Organization/research group name:**  
**Project title:** Developing a field-based data science curriculum for urban schools  
**Project summary:**  
We live in a world of data; all students, even those not pursuing STEM fields, need to be science and data literate. Although there has been an increased emphasis in recent national science standards on data interpretation, analysis and related programming skills, developing ways to incorporate these skills into science and math classrooms remains a challenge. This project addresses this challenge by bringing together resources from two locations just an hour apart: an ecological field station in the New Jersey Pinelands (one of the most unique ecosystems in the world) and a math classroom in a charter school in Philadelphia.

**Role and responsibilities:**  
As part of this project, the PEI intern will:  
- Help co-teach a high school class on data analysis and programming in R using fisheries ecology data  
- Attend professional development training run by the Princeton Teacher Prep program at the Pinelands Field Station on using ecological field data with a cohort of K-12 teachers  
- Modify the data analysis curriculum to include ecological field data from the Pinelands.

**Website (if available):**

**Faculty sponsor/host (name/department):** Talia Young, EEB, and Anne Catena, Teacher Prep  
**Email contact:** talia.young@princeton.edu  
**Location of internship:** Philadelphia, PA, and New Gretna, NJ  
- Note: If this internship is located in a country that appears on the [U.S. Department of State Travel Warning List](https://travel.state.gov/content/travel/content/traveladvice/destination-countrysafety.html), final candidates will be instructed to request and receive University approval to travel to that country before participation in the internship program is confirmed.

<table>
<thead>
<tr>
<th>Weekly stipend: $500</th>
<th>Number of internships available: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed start date (mm/dd/yyyy): 5/15/16</td>
<td>Total number of weeks: 8 (see note below)</td>
</tr>
<tr>
<td>Proposed end date (mm/dd/yyyy): 7/31/16</td>
<td></td>
</tr>
</tbody>
</table>
- Note: The funding awarded for this position is for full-time work, 35 hours per week minimum, for a period of no less than 8 contiguous weeks.
**INTERNSHIP SUPERVISOR**
Name and title: Talia Young, postdoctoral fellow, and Anne Catena
Email: talia.young@princeton.edu  Phone: (848) 228-2542

**EXPERIENCE REQUIRED**
Academic background:

<table>
<thead>
<tr>
<th>Technical skills:</th>
<th>Experience in (1) data analysis using R and (2) curriculum development are a plus but not required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language fluency:</td>
<td>English</td>
</tr>
</tbody>
</table>

**OTHER**
Prerequisites / training:

<table>
<thead>
<tr>
<th>Physical demands:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment required:</td>
<td>Intern will need a car to get to the Pinelands Field Station</td>
</tr>
<tr>
<td>Visa(s) required?</td>
<td>Yes [ ]  No [X]</td>
</tr>
<tr>
<td>Immunizations required?</td>
<td>Yes [ ]  No [X]</td>
</tr>
<tr>
<td>Research permit/pass required?</td>
<td>Yes [X]  No [ ]</td>
</tr>
</tbody>
</table>

**Additional internship information:**
This internship can start as early in May as the student is available. It requires attendance at a training from Jul 5 to Jul 15. The intern can work continuously through June or take a break and come back for the training in July.

Priority application deadline: January 13, 2017
- Applications received after the priority deadline will be reviewed on a rolling basis.
- Unfilled positions will remain open until March 29, 2017.

For more information and to apply, visit the Princeton Environment Institute website: